

AMENDMENTS TO THE ABSTRACT

Please add the following abstract to the end of the application:

An image processing system includes a plurality of vertically arranged linear arrays of detectors imaged onto a plurality of areas in a scene of interest. Horizontal movement of an object through the plurality of areas of interest are detected and fed into a processor. The processor may detect object range, direction of movement, speed, true direction of travel, object type. The detectors may be sensitive in the infra red (IR), microwave (including mm wave devices), or visible wavebands, operating with ambient or artificial illumination. In some application a combination of IR and visible detectors may be used. Preferably each detector in the linear array has an associated amplifier and filter. A 360° cover may be obtained by combining several systems into a single unit. The system may be used to detect objects and then control operation of a higher definition two-dimensional detector array and camera.